

LYOTRADE · LIGHT COMMERCIAL

AMARU 7

Up to 15 kg batch capacity, 7-shelf system, and low energy consumption (~1.1 kWh/cycle). Engineered for medium-scale food producers, it delivers consistent, high-quality results with minimal downtime.



BATCH CAPACITY

15 kg

AVG. ENERGY USE

1.13 kWh / h

SHELF AREA

1.1 m²

APPLICATIONS **Freeze-Drying for Herbs, Spices & Microgreens**

Freeze-Drying for Fruits & Vegetables

Freeze-Drying for Coffee & Tea

CE marked

Built in EU

Why choose the AMARU 7

- ✓ **More output, same small floor** — for producers pushing higher volumes of lightweight, bulk ingredients — fruit slices, vegetables, spices, powders.
- ✓ **Premium pump, self-driving cycle** — a new Pfeiffer vacuum pump and a fully automatic cycle that runs its own drying algorithm for repeatable results. Scale later by stacking to Double on the same footprint.
- ✓ **Up to 15 kg per batch** — 7 trays, 1.1 m² tray area, 3.5 cm spacing, in a 1.5 m² footprint.
- ✓ **Built for 24/7, well-equipped** — 27 kWh/24h, defrost under 30 min, ISO-valve protection, the only line with a multi-language menu, and smart add-ons (Deheater, Viktor ozone decontaminator).

CAPACITY & OUTPUT

Batch capacity (fresh load)	15 kg
Ice condenser capacity	15 kg
Total shelf area	1.1 m ²
Number of shelves	7
Number of trays	7
Tray size	33 × 49 × 2 cm

PROCESS & CYCLE

Shelf temperature range	Automatic cycle (no shelf setpoint) °C
Min. condenser temperature	-40 °C
Defrosting	Automatic (~25 min)
Defrost time	25 min

VACUUM & REFRIGERATION

Vacuum pump type	Oil-sealed rotary vane (new Pfeiffer)
Refrigeration type	Air-cooled

CONTROL & MONITORING

Control system	4.3" touchscreen
Menu language	En, es, pt, de, cz (more languages on request)
Data logging & recipes	36 recipe slots – no data logging
Remote monitoring	No

BUILD

Chamber material	AISI 304 stainless steel
Shelf material	Stainless steel
Body color options	Ruby Red (powder-coated)

POWER & FOOTPRINT

Power supply	230 V / 1~ / 50 Hz
Connected load	3 kW
Energy consumption (avg)	1.13 kWh/h
External dimensions (W × D × H)	1220 × 795 × 840 mm
Net weight	approx. 175 kg

WARRANTY & SERVICE

Warranty	12 months (extendable by a further 12 months)
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Recommended accessories

AMARU Deheater

AMARU High Base Stand

AMARU Low Base Stand	Fits: AMARU All
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AMARU Mineral oil for vacuum pump 10 L	Fits: All
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AMARU Mineral oil for vacuum pump 20 L	Fits: All
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More accessories are available in our online store — follow the QR code.



+34 614 332 324 team@freeze-drying.tech freeze-drying.tech
Scan for live specifications, current pricing and to request a quotation.